
PROGRESS REPORT NO. 26

**RICHMOND, FREDERICKSBURG
AND POTOMAC RAILROAD COMPANY**

THE POTOMAC YARD SITE

EPA DOCKET NO. III-92-61-DC

Reporting Period:

June 1 through June 30, 1994

**ENVIRONMENTAL TECHNOLOGY
OF NORTH AMERICA, INC.**

2229 Tomlynn Street
Richmond, Virginia 23230
(804) 358-5400



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WORK COMPLETED

Extent of Contamination Study (ECS)

All analytical sampling results have been provided to Weinberg Consulting Group, Inc., the contractor preparing the risk assessment for the site.

Meetings

A meeting was held with EPA on June 3, 1994, to discuss our responses to their comments regarding the *Addendum to the ECS Work Plan* (dated January 7, 1994). The responses were submitted to EPA on May 19, 1994.

A monthly progress report meeting was held between RF&P, ETI and representatives of the City of Alexandria on June 21, 1994. EPA was unable to attend.

Free Product Recovery

On June 29, 1994 the skimmer pump at trench well TW-7 was removed and reinstalled at well TW-6 and the skimmer pump at monitoring well MW-9 was moved to well TW-5. These pumps were moved because the free-product levels in well TW-7 and well MW-9 appear to have been effectively drawn down to consistently low levels over the past few weeks. ETI will continue to gauge these wells.

Hand bailing of other wells with significant free product levels continued during this period. Attached is a Free Product Recovery Report for June 1994 which details the amount of material recovered.

Site Maintenance

Based on approval from the Alexandria Sanitation Authority, approximately 250 gallons of drummed purge water were run through activated carbon and then discharged to the Alexandria sewer system on June 14, 1994. The water was generated when monitoring wells were purged during the March 1994 sampling event.

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DATA ANTICIPATED AND ACTIVITIES SCHEDULED

Extent of Contamination Study (ECS)

Work continues on the preparation of the ECS report, including the development of contour maps which show the approximate concentration levels for all of the constituents of concern at several different depths throughout the Yard.

EPA's final comments on the *Addendum to the ECS Work Plan* are expected in July of 1994.

On July 14, 1994, a meeting is scheduled between ETI, EPA and Weinberg to discuss the general approach(es) that will be used for the site risk assessment.

During July, excavation of the two turntables in the Central Operations Area (part of downsizing activity) will be completed.

The temporary soil stockpile on Potomac Greens will be removed and used to backfill the excavation resulting from the removal of the turntables in the Central Operations Area.

Free Product Recovery

The operation of the free product recovery system will continue to be evaluated.

Site Maintenance

Routine maintenance checks will be made during scheduled field activities.

PROBLEMS ENCOUNTERED OR ANTICIPATED

None.

PREVENTIVE OR MITIGATIVE ACTIONS

RF&P and ETI will continue to monitor the soil stockpile on Potomac Yard and the former pond areas for erosion problems. Any problems identified will be corrected by instituting appropriate erosion and sediment control measures.

MODIFICATIONS MADE IN ACCORDANCE WITH CONSENT ORDER SECTION XVII

None.



**Environmental Technology
of North America, Inc.**

A HazWaste Company

July 8, 1994

Mr. Jay Green
Department of Environmental Quality - Water Division
Northern Regional Office
1519 Davis Ford Road
Woodbridge, Virginia 22192

RE: Free Product Removal Report, RF&P's Potomac Yard, Alexandria, Virginia
PC No. 91-1668
ETI Job No. 1116-006-02

Dear Mr. Green:

Enclosed is the Free Product Removal Report for the subject site as required by Part V, Section 6.5 of VR 680-13-02. Monitoring wells were gauged on a weekly basis with an electronic interface probe to determine product thickness.

Free product continues to be recovered from the site through hand bailing of selected wells and a free product recovery system in wells MW-9 and TW-7. To date a total of approximately 1,070 gallons of free product have been recovered from 12 wells. This includes 275 gallons of free product removed during a free product recovery test, 345 gallons removed through bailing, and 450 gallons removed with the free product recovery system. The free product has consisted of diesel fuel in varying degrees of degradation.

On June 29, 1994, the two pumps were moved to wells TW-5 and TW-6 to increase the rate of recovery since the thickness of product in wells MW-9 and TW-7 had become significantly reduced. The free product recovery system and gauging activities will continue to be closely monitored.

If you have any questions, or I can be of further assistance, please contact me at (804) 358-5400.

Sincerely,

Kathy Thomas

Kathy Thomas
Environmental Specialist

ed:mbe

Enclosure

cc: Scott Slagley, RF&P
Jeff Dodd, EPA

RAWP RF&P POTOMAC REMOVAL RPT

2229 TOMLYNN STREET • RICHMOND, VIRGINIA 23230
TELEPHONE 804-358-5400 • 800-533-4042 • EMERGENCY 800-228-SPIL
FAX 804-358-6868

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SITE NAME

RF&P RAILROAD, POTOMAC YARD

WELL NUMBER	DATE	DEPTH TO FLUID	DEPTH TO WATER	PRODUCT THICKNESS (feet)	QUANTITY WATER RECOV'D (gallons)	QUANTITY PRODUCT RECOV'D (gallons)
MW-7	Well was destroyed during site demolition activities Last date of product recovery (trace amounts) was 3/26/93					
TOTAL TO DATE					22.50	4.56
MW-8	6-6-94	8.53	14.36	5.83	0.00	0.00
	6-13-94	8.85	14.50	5.65	0.00	10.00
	6-20-94	9.41	12.01	2.60	0.00	0.00
	6-27-94	9.63	10.35	0.72	0.00	0.50
Previous Total					71.63	62.85
TOTAL TO DATE					71.63	73.35
MW-9	6-6-94	10.73	11.15	0.42	0.00	No Data
	6-13-94	10.90	12.11	1.21	0.00	0.00
	6-20-94	10.19	10.81	0.62	0.00	9.40
	6-27-94	11.07	12.07	1.00	0.00	0.00
Previous Total					6561.87	213.23
TOTAL TO DATE					6561.87	222.63
MW-11	6-6-94	4.82	5.78	0.86	0.00	0.00
	6-13-94	6.25	6.80	0.55	0.00	0.00
	6-20-94	7.97	8.81	0.84	0.00	0.00
	6-27-94	9.53	10.19	0.66	0.00	1.75
Previous Total					66.81	25.13
TOTAL TO DATE					66.81	26.88
MW-12	6-6-94	11.12	11.12	0.00	0.00	0.00
	6-13-94	11.41	11.41	0.00	0.00	0.00
	6-20-94	11.54	11.54	0.00	0.00	0.00
	6-27-94	11.57	11.57	0.00	0.00	0.00
Previous Total					0.00	0.00
TOTAL TO DATE					0.00	0.00
MW-14	6-6-94	8.30	9.58	1.28	0.00	0.00
	6-13-94	8.60	9.58	0.98	0.00	0.00
	6-20-94	8.30	9.57	1.27	0.00	0.00
	6-27-94	8.80	9.94	1.14	0.00	0.25
Previous Total					60.72	20.66
TOTAL TO DATE					60.72	20.91

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MW-16	6-6-94	9.36	9.36	0.00	0.00	0.00
	6-13-94	9.70	9.70	0.00	0.00	0.00
	6-20-94	9.85	9.85	0.00	0.00	0.00
	6-27-94	9.89	9.89	0.00	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

MW-18	6-6-94	9.03	9.03	0.00	0.00	0.00
	6-13-94	9.30	9.30	0.00	0.00	0.00
	6-20-94	9.87	9.87	0.00	0.00	0.00
	6-27-94	9.72	9.72	0.00	0.00	0.00

Previous Total	3.15	0.10
TOTAL TO DATE	3.15	0.10

MW-25	6-6-94	16.54	16.84	0.30	0.00	0.05
	6-13-94	16.82	17.02	0.20	0.00	0.03
	6-20-94	17.07	17.23	0.16	0.00	0.00
	6-27-94	16.99	17.00	0.01	0.00	0.00

Previous Total	52.10	69.47
TOTAL TO DATE	52.10	69.55

MW-27	6-6-94	13.27	15.16	1.89	0.00	0.00
	6-13-94	13.55	15.35	1.80	0.00	1.00
	6-20-94	13.83	13.95	0.12	0.00	0.00
	6-27-94	13.86	13.91	0.05	0.00	0.01

Previous Total	1.40	0.00
TOTAL TO DATE	1.40	1.01

MW-33	6-6-94	14.94	14.94	0.00	0.00	0.00
	6-13-94	15.15	15.15	0.00	0.00	0.00
	6-20-94	15.25	15.25	0.00	0.00	0.00
	6-27-94	15.34	15.34	0.00	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

MW-34	6-6-94	13.58	15.20	1.62	0.00	0.00
	6-13-94	13.88	15.35	1.47	0.00	0.00
	6-20-94	13.75	15.24	1.49	0.00	0.00
	6-27-94	13.86	15.27	1.41	0.00	0.00

Previous Total	5.35	0.29
TOTAL TO DATE	5.35	0.29

GW-64	6-6-94	14.60	14.60	0.00	0.00	0.00
	6-13-94	14.71	14.71	0.00	0.00	0.00
	6-20-94	14.95	14.95	0.00	0.00	0.00
	6-27-94	14.98	14.98	0.00	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

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TW-1	6-6-94	14.85	14.85	0.00	0.00	0.00
	6-13-94	15.15	15.15	0.00	0.00	0.00
	6-20-94	15.32	15.32	0.00	0.00	0.00
	6-27-94	15.29	15.29	0.00	0.00	0.00
		Previous Total			0.00	0.00
		TOTAL TO DATE			0.00	0.00
TW-2	6-6-94	14.32	14.32	0.00	0.00	0.00
	6-13-94	14.59	14.59	0.00	0.00	0.00
	6-20-94	14.75	14.75	0.00	0.00	0.00
	6-27-94	14.79	14.79	0.00	0.00	0.00
		Previous Total			0.00	0.00
		TOTAL TO DATE			0.00	0.00
TW-3	6-6-94	10.70	10.70	0.00	0.00	0.00
	6-13-94	10.97	10.97	0.00	0.00	0.00
	6-20-94	11.37	11.37	0.00	0.00	0.00
	6-27-94	11.08	11.08	0.00	0.00	0.00
		Previous Total			0.00	0.00
		TOTAL TO DATE			0.00	0.00
TW-4	6-6-94	13.31	14.20	0.89	0.00	0.00
	6-13-94	13.63	14.62	0.99	0.00	0.00
	6-20-94	13.87	14.92	1.05	0.00	0.00
	6-27-94	13.80	14.86	1.06	0.00	0.00
		Previous Total			2970.00	110.00
		TOTAL TO DATE			2970.00	110.00
TW-5	6-6-94	14.21	16.45	2.24	0.00	0.00
	6-13-94	14.50	16.79	2.29	0.00	0.00
	6-20-94	14.63	16.92	2.29	0.00	0.00
	6-27-94	14.65	16.92	2.27	0.00	0.00
		Previous Total			3840.00	125.00
		TOTAL TO DATE			3840.00	125.00
TW-6	6-6-94	12.71	14.25	1.54	0.00	0.00
	6-13-94	13.06	14.63	1.57	0.00	0.00
	6-20-94	13.17	14.82	1.65	0.00	0.00
	6-27-94	12.92	14.65	1.73	0.00	0.00
		Previous Total			0.00	0.00
		TOTAL TO DATE			0.00	0.00
TW-7	6-6-94	9.19	9.80	0.61	0.00	No Data
	6-13-94	9.47	9.87	0.40	0.00	19.70
	6-20-94	10.48	10.97	0.49	0.00	20.70
	6-27-94	9.63	10.46	0.83	0.00	0.00
		Previous Total			0.00	370.00
		TOTAL TO DATE			0.00	410.40
TW-8	6-6-94	11.71	11.71	0.00	0.00	0.00
	6-13-94	11.95	11.95	0.00	0.00	0.00
	6-20-94	12.15	12.15	0.00	0.00	0.00
	6-27-94	12.18	12.18	0.00	0.00	0.00
		Previous Total			0.00	0.00
		TOTAL TO DATE			0.00	0.00

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TW-9	6-6-94	12.46	14.16	1.70	0.00	0.00
	6-13-94	12.71	14.24	1.53	0.00	0.00
	6-20-94	12.87	14.27	1.40	0.00	0.00
	6-27-94	12.99	14.34	1.35	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

TW-10	6-6-94	12.85	12.88	0.03	0.00	0.00
	6-13-94	13.11	13.15	0.04	0.00	0.00
	6-20-94	13.16	13.18	0.02	0.00	0.00
	6-27-94	13.35	13.39	0.04	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

TW-11	6-6-94	13.63	13.63	0.00	0.00	0.00
	6-13-94	13.90	13.90	0.00	0.00	0.00
	6-20-94	13.97	13.97	0.00	0.00	0.00
	6-27-94	14.11	14.11	0.00	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

TW-12	6-6-94	11.40	11.40	0.00	0.00	0.00
	6-13-94	11.67	11.69	0.02	0.00	0.00
	6-20-94	11.67	11.68	0.01	0.00	0.00
	6-27-94	11.90	11.90	0.00	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

TW-13	6-6-94	13.86	14.50	0.64	0.00	0.00
	6-13-94	14.13	14.81	0.68	0.00	0.00
	6-20-94	14.35	15.03	0.68	0.00	0.00
	6-27-94	14.39	15.07	0.68	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

FPP-1	6-6-94				0.00	0.00
	6-13-94	9.86	13.25	3.39	0.00	0.00
	6-20-94	11.45	11.94	0.49	0.00	0.00
	6-27-94	11.52	13.30	1.78	0.00	1.19

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	1.19

FPP-2	6-6-94				0.00	0.00
	6-13-94	11.09	15.06	3.97	0.00	0.00
	6-20-94	11.34	14.90	3.56	0.00	0.00
	6-27-94	11.36	15.02	3.66	0.00	3.75

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	3.75

FPP-3	6-6-94				0.00	0.00
	6-13-94	12.10	12.10	0.00	0.00	0.00
	6-20-94	12.08	12.08	0.00	0.00	0.00
	6-27-94	12.05	12.05	0.00	0.00	0.00

Previous Total	0.00	0.00
TOTAL TO DATE	0.00	0.00

TOTAL RECOVERED AT THE SITE TO DATE (gal)	13722.34	1069.62
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